

Title (en)
Method to improve a video signal

Title (de)
Verfahren zur Verbesserung eines Videosignals

Title (fr)
Méthode pour améliorer un signal vidéo

Publication
EP 0841810 A1 19980513 (EN)

Application
EP 98101082 A 19921203

Priority
• EP 92120650 A 19921203
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Abstract (en)
A method for improving a video signal is disclosed. It can be used to nullify the gamma correction applied at the broadcast end for cathode-ray tube signals when using a spatial light modulator display. Additionally, the method can be used to generally improve the quality of the display for computer monitors or other formats that do not require the gamma nullification. The method uses a look-up table (52) to select an output word (54) based upon an input digital word (50) from a video signal. It further uses a detection circuit (58) to detect the highest video level present, and a decoder circuit (60) to decode said level and to select said output word (54) based upon said level. <IMAGE>

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H04N 5/202

IPC 8 full level
G09G 1/28 (2006.01); **G09G 3/34** (2006.01); **H04N 5/202** (2006.01); **H04N 5/66** (2006.01); **H04N 5/74** (2006.01)

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Citation (search report)
• [A] FR 2656484 A1 19910628 - THOMSON CSF [FR]
• [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 140 (P - 1188) 9 April 1991 (1991-04-09)
• [A] PATENT ABSTRACTS OF JAPAN vol. 010, no. 082 (E - 392) 2 April 1986 (1986-04-02)
• [A] PATENT ABSTRACTS OF JAPAN vol. 015, no. 507 (P - 1291) 20 December 1991 (1991-12-20)

Cited by
EP1851951A4; AU2001250556B2; CN100433794C; WO0171701A3

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